

CLAIMS

We claim:

1. An infant warming apparatus, said infant warming apparatus comprising a base, an infant support located on said base adapted to support an infant thereon, a canopy lift bracket movably affixed to said base in a vertical direction, a canopy, said canopy affixed to said canopy lift bracket to move said canopy between a lower position wherein said canopy fits over said infant support to form an infant compartment adapted to enclose an infant and an upper position wherein said canopy is elevated with respect to said infant support and the infant compartment is open, said canopy being affixed to said canopy lift bracket by means of an adjustable mounting system comprising a canopy interface bracket initially adjustably affixed to said canopy, said canopy interface bracket being initially adjustably affixed to said canopy lift bracket, wherein said adjustable mounting system allows said canopy to be tightly affixed with respect to said base after completion of the initial adjustment.
2. The infant warming apparatus as defined in claim 1 wherein said base includes a vertical structural member extending upwardly from said base and said canopy lift bracket is affixed to said vertical structural member.
3. The infant warming apparatus as defined in claim 1 wherein said canopy interface bracket is initially adjustably affixed to said canopy by a bolt means and a nut means, said bolt means passing through openings in said canopy and said canopy interface bracket and wherein either of said openings in said canopy or said canopy interface bracket are enlarged with respect to said bolt means.
4. The infant warming apparatus as defined in claim 1 wherein said canopy interface bracket is initially adjustably affixed to said canopy lift bracket

by a bolt means and a nut means, said bolt means passing through openings in said canopy interface bracket and said canopy lift bracket and wherein said openings in said canopy lift bracket or said canopy interface bracket are elongated in the horizontal direction and, respectively, said openings in said canopy interface bracket or said canopy lift bracket are elongated in the vertical direction.

5. The infant warming apparatus as defined in claim 1 wherein said canopy interface bracket is initially adjustably affixed to said canopy lift bracket by a bolt means and a nut means, said bolt means passing through openings in said canopy interface bracket and said canopy lift bracket and wherein either of said openings in said canopy interface or said canopy lift bracket are enlarged with respect to said bolt means.

6. The infant warming apparatus as defined in claim 3 wherein said canopy interface bracket is initially adjustably affixed to said canopy lift bracket by a bolt means and a nut means, said bolt means passing through openings in said canopy interface bracket and said canopy lift bracket and wherein either of said openings in said canopy interface bracket or said canopy lift bracket are enlarged with respect to said bolt means.

7. The infant warming apparatus as defined in claim 1 wherein said adjustable mounting means further includes a pivot bracket positioned intermediate said canopy interface bracket and said canopy lift bracket and wherein said canopy interface bracket is pivotally affixed to said pivot bracket.

8. The infant warming apparatus as defined in claim 7 wherein said canopy interface bracket is pivotally affixed to said pivot bracket by pins passing through vertically spaced apart openings in opposed ends of said pivot bracket or said canopy interface bracket, one of said openings having an arcuate configuration and wherein said canopy is pivotable about the other of said openings.

9. The infant warming apparatus as defined in claim 7 wherein said canopy interface bracket is pivotally affixed to said pivot bracket by securing devices passing through vertically spaced apart openings in opposed ends of said pivot bracket or said canopy interface bracket, one of said openings having an arcuate configuration and wherein said canopy is pivotable about the other of said openings, said securing devices adapted to affix said canopy interface bracket firmly in a desired pivot orientation.

10. The infant warming apparatus as defined in claim 8 wherein said openings are in said pivot bracket.

11. The infant warming apparatus as defined in claim 7 wherein said adjustable mounting means further includes a slider bracket positioned intermediate said pivot bracket and said canopy lift bracket wherein said slider bracket is vertically movable with respect to said canopy lift bracket.

12. The infant warming apparatus as defined in claim 11 wherein the relative free motion between said slider bracket and said canopy lift bracket and between said pivot bracket and said canopy interface bracket allows the canopy to move vertically and pivotally against the infant support in forming the infant compartment.

13. The infant warming apparatus as defined in claim 1 wherein said canopy includes a radiant heater.

14. A method of attaching a canopy to a base in an infant warming apparatus, said method comprising the steps of:

providing an infant warming apparatus having a base and an infant platform supported by the base,

providing a canopy supported by the base and adapted to be movable with respect to the base between a lower position forming an enclosed infant compartment with said infant support, and an upper position where the infant compartment is open,

providing an adjustable mounting system intermediate the canopy and the base, the canopy mounting system having a canopy lift bracket that is mounted to the base so as to move vertically as the canopy is moved between its upper and lower positions, and a canopy interface bracket,

loosely connecting the canopy to the canopy interface bracket to allow linear and rotational movement therebetween,

loosely connecting the interface bracket to the canopy lift bracket to allow linear motion therebetween,

adjusting the canopy to the canopy bracket and the interface bracket to the canopy lift bracket to align the canopy with the infant support, and

securing the loose connections between the canopy interface bracket and the canopy lift bracket and between the canopy and the canopy interface bracket to retain the canopy in the aligned position.

15. The method of claim 14 wherein the step of providing a canopy lift bracket comprises providing a canopy lift bracket having mounting openings either horizontal or vertical and the step of providing an interface bracket comprises providing an interface bracket having vertical or horizontal openings that align with the openings in the lift bracket.

16. The method of claim 14 wherein the step of providing an adjustable mounting system further includes providing a pivot bracket intermediate the canopy interface bracket and the canopy lift bracket and further includes the step of loosely connecting the interface bracket to the pivot bracket to allow pivotal motion therebetween.

17. The method of claim 16 wherein the step of securing the loose connections includes securing the loose connection between the canopy interface bracket and the pivot bracket.

18. The method of claim 16 wherein the step of providing an adjustable mounting system includes providing a slider bracket intermediate the pivot bracket and the canopy lift bracket, and further includes the step of loosely

connecting the slider bracket to the canopy lift bracket to allow vertical motion therebetween.

19. The method of claim 18 wherein the step of providing an adjustable mounting system includes the step of loosely connecting the slider bracket to the canopy lift bracket to allow vertical and pivotal motion therebetween.